

Specifications

Type

Compact digital still camera with built-in flash, 12x Optical, 4x Digital and 48x Combined Zoom with Optical Image Stabilizer

Image Capture Device

Type

20.2 Megapixel, 1/2.3-inch CMOS

Total Pixels

Approx. 21.1 Megapixels

Effective Pixels

Approx. 20.2 Megapixels

Lens

Focal Length

4.5 (W) - 54.0 (T) mm (35mm film equivalent: 25-300mm)

Optical Zoom

12x

Digital Zoom

4.0x

Focusing Range

Auto: 0.4 in. (1cm) - infinity (W), 3.3 ft. (1m) - infinity (T)
Normal: 2.0 in. (5cm) - infinity (W), 3.3 ft. (1m) - infinity (T)
Macro: 0.4 in. - 1.6 ft. (1-50cm) (W)
Infinity: 9.8 ft. (3m) - infinity (W, T)

Autofocus System

TTL Autofocus, Manual Focus

Viewfinders

Optical Viewfinder

Not available

LCD Monitor

3.0-inch TFT Color LCD with wide-viewing angle

LCD Pixels

Approx. 461,000 dots

LCD Coverage

Approx. 100%

Aperture and Shutter

Maximum Aperture

f/3.6 (W), f/7.0 (T)

Shutter Speed

1 - 1/2000 sec.

15 - 1/2000 sec. (Total shutter speed range)

Exposure Control

Sensitivity

Auto, ISO 80-1600

In P Mode: Max ISO: 3200

Light Metering Method

Evaluative*, Center-weighted average, Spot**

* Facial brightness is evaluated in Face Detection AF

** Metering frame is fixed to the center

Exposure Control Method

Manual Exposure, AE Lock

Exposure Compensation

Still Images: ± 2 stops in 1/3-stop increments

Videos: ± 2 stops in 1/3-stop increments (not available during shooting)

White Balance

White Balance Control

Auto*, Daylight, Cloudy, Tungsten, Fluorescent, Fluorescent H, Custom

*Camera automatically sets the optimal ISO speed according to shooting mode.

Flash

Built-in Flash

Auto, Flash On, Slow Synchro, Flash Off

- Facial brightness is also evaluated in Face Detect.

Flash Range

1.6 ft. - 13 ft. (W), 3.3 - 6.6 ft. (T) (50cm - 4.0m (W), (1.0m - 2.0m (T))

Image brightness may diminish depending on the shooting distance

Recycling Time

10 sec. or less (battery voltage: 3.7 V)

Flash Exposure Compensation

± 2 stops in 1/3-stop increments

Shooting Specifications

Shooting Modes

Auto, Hybrid Auto, P, Creative Shot¹, Portrait, Smart Shutter², High-Speed Burst, Handheld Night Scene, Low Light, Fisheye Effect, Miniature Effect, Toy Camera Effect, Monochrome, Super Vivid, Poster Effect, Snow, Fireworks, Long Shutter

*¹ Auto, Retro, Monochrome, Special and Natural effects

*² Smile, Wink Self-timer, Face Self-timer

- Shooting movies is possible with the movie button

Photo Effects

My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid

Green, Vivid Red, Custom Color *

*Adjustment of contrast sharpness, saturation, red, green, blue and skin tone are available

Self Timer

Approx. 10-sec. delay/approx. 2-sec. delay/custom*

*Delay time (0-15 sec. (in one-second increments), 20/25/30 sec.) and number of shots (1-10 shots (in one-shot increments)) can be specified.

Wireless Control

Built-in Wi-Fi® and NFC

Continuous Shooting

Normal: Approx. 2.6 shots/sec. (in P mode)

Image Storage

Storage Media

SD Memory Card, SDHC Memory Card, SDXC Memory Card

File Format

Design rule for Camera File system, DPOF (Version 1.1) compliant

JPEG Compression Mode

Still Image: Exif. 2.3 (JPEG)

Video: MP4 (Image: H.264; Audio: MPEG-4 AAC-LC (Monaural))

Number of Recording Pixels

Still Images:

1) 16:9 - Large: 4608 x 2592; Medium 1: 3264 x 1832; Medium 2: 1920 x 1080; Small: 640 x 360

2) 3:2 - Large: 4608 x 3072; Medium 1: 3264 x 2176; Medium 2: 2048 x 1368; Small: 640 x 424

3) 4:3 - Large: 4608 x 3456; Medium 1: 3264 x 2448; Medium 2: 2048 x 1536; Small: 640 x 480

4) 1:1 - Large: 3456 x 3456; Medium 1: 2448 x 2448; Medium 2: 1536 x 1536; Small: 480 x 480

Videos:

Full HD 1920 x 1080: 30 fps (29.97)

HD 1280 x 720: 30 fps (29.97)

Miniature Effect HD 1080 x 720: 6 fps / 3 fps / 1.5 fps

Miniature Effect 640 x 480: 6 fps / 3 fps / 1.5 fps

640 x 480: 30 fps (29.97)

Number of Recordable Images

Image data

		16:9		3:2		4:3		1:1	
		File Size (KB)	16GB	File Size (KB)	16GB	File Size (KB)	16GB	File Size (KB)	16GB
Large (L1)	SF	7,156	2,159	8,286	1,868	9,201	1,680	6,901	2,238
	F	4,483	3,421	5,114	3,017	5,633	2,729	4,225	3,625
Medium 1 (M1)	SF	3,847	3,982	4,361	3,520	4,785	3,217	3,589	4,262
	F	2,524	6,073	2,790	5,459	3,018	5,061	2,264	6,748
Medium 2	SF	1,095	13,497	1,440	10,563	1,602	9,344	1,213	12,459

(M2)	F	604	24,296	793	18,689	893	16,755	668	22,087	
Small (S)	SF	188	69,418	221	60,741	249	53,992	188	69,418	
	F	113	97,186	133	80,988	150	80,988	113	97,186	
Medium* (M)	F	N/A				1,839	8,235	N/A		

Note: SF=Superfine F=Fine

* In High Speed Burst or Low Light.

Time of Recordable Movies

Movie data

Shooting Modes	Pixels	Frame Rate		Movie Size (KB/sec.)	Approximate Total Movie Time Recordable to 16 GB memory Card	Single Clip Approx. Recording Time* ¹	Video Recording Bit Rate
		Shooting	Playback				
Other than Below	Full HD (1920 x 1080)	30 fps* ²	30 fps* ²	3,742	1 hr. 08 min. 34 sec.	29 min. 59 sec.	Approx. 30 Mbps
	HD (1280 x 720)	30 fps* ²	30 fps* ²	1,056	3 hr. 58 min. 01 sec.	29 min. 59 sec.	Approx. 8 Mbps
	VGA (640 x 480)	30 fps* ²	30 fps* ²	450	8 hr. 25 min. 48 sec.	1 hr.	Approx. 3 Mbps
Miniature Effect	HD (1280 x 720)	6 fps (5x Speed)	30 fps* ²	205	20 hr. 15 min. 51 sec.	29 min. 59 sec.	—
		3 fps (10x Speed)	30 fps* ²	102	39 hr. 03 min. 42 sec.	29 min. 59 sec.	—
		1.5 fps (20x Speed)	30 fps* ²	51	72 hr. 32 min. 36 sec.	29 min. 59 sec.	—
	VGA (640 x 480)	6 fps (5x Speed)	30 fps* ²	84	46 hr. 54 min. 59 sec.	1 hr.	—
		3 fps (10x Speed)	30 fps* ²	42	86 hr. 19 min. 35 sec.	1 hr.	—
		1.5 fps (20x Speed)	30 fps* ²	21	148 hr. 50 min. 20 sec.	1 hr.	—

*¹ Using an SD Speed Class 10 / UHS-I compatible memory card

• Recording stops automatically once the file size reaches 4 GB or the memory card becomes full.

• Recording may stop unexpectedly if a memory card with a Low Speed Class is used.

*² Actual frame rate is 29.97 fps.

Playback Specifications

Playback Modes File

Stills & Videos:

Auto Rotate (Automatic vertical/horizontal detection), Image Advance (Transition Effects, Scroll Display), Rotate, Favorites, Smart Shuffle, Group Playback, Slideshow (Repeat, Interval, Effect)

Still Images:

Single, Index (6-100 thumbnails), Magnification (2-10x), Information Display, Red-eye Correction, i-Contrast, Resize, My Colors, Histogram, Overexposure Warning

Videos:

Normal Playback*¹, Skip Backward*², Previous Frame*³, Next Frame*³, Skip Forward*²

- Displays playback position and shooting time

*¹ Audio settings available in 5 levels

*² Approximately 4 seconds

*³ Slow motion available

Erasing Specifications

Erase Modes

Select Image, Select Range, Select All Images

- The image data in the memory card stored with the Design rule for Camera File systems format can be erased (however, protected images cannot be erased).
- Using the Movie editing function, sections of the movie can be deleted.

Interfaces

Video Out

NTSC/PAL (dedicated connector (female) with unified type of digital, audio and video)

Audio Out

Monaural (dedicated connector (female) with unified type of digital, audio and video)

Other

SD memory card slot; direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers

Power Source

Battery Pack NB-11L/NB-11LH, AC Adapter Kit ACK-90

Shooting Capacity

Approx. 185 shots

Approx. 250 shots in ECO Mode

Playback Time

Approx. 4 hours

Physical Specifications

Operating Temperature

32-104°F/0-40°C

Operating Humidity

10-90%

Dimensions (W x H x D)

3.92 x 2.28 x 0.90 in. / 99.6 x 58.0 x 22.8mm

Weight

5.19 oz. / 147g (CIPA standard)

4.59 oz. / 130g (Body only)

All data are based on Canon's Standard Test Method. Subject to change without notice.

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*Image processing may cause a decrease in the number of pixels.

** Compatible with iOS versions 6.0/6.1/7.0/7.1/8.0/8.1, Android smartphone versions 2.3.3/4.0/4.1/4.2/4.3/4.4/5.0 and Android tablet versions 4.0/4.1/4.2/4.3/4.4/5.0. Data charges may apply. With the download of the free Canon Camera Connect app, this software helps enable you to upload images to social network services. Before uploading images, please be aware that image files may contain privacy-related information such as people and places. If necessary, please delete such information. Canon does not obtain, collect or use such images or any information included in such images through this software.

*** With the download of the free Canon Camera Connect app.

****Compatible with Android devices version 4.0/4.1/4.2/4.3/4.4/5.0.

† Prices and specifications subject to change without notice. Actual prices are determined by individual dealers and may vary.